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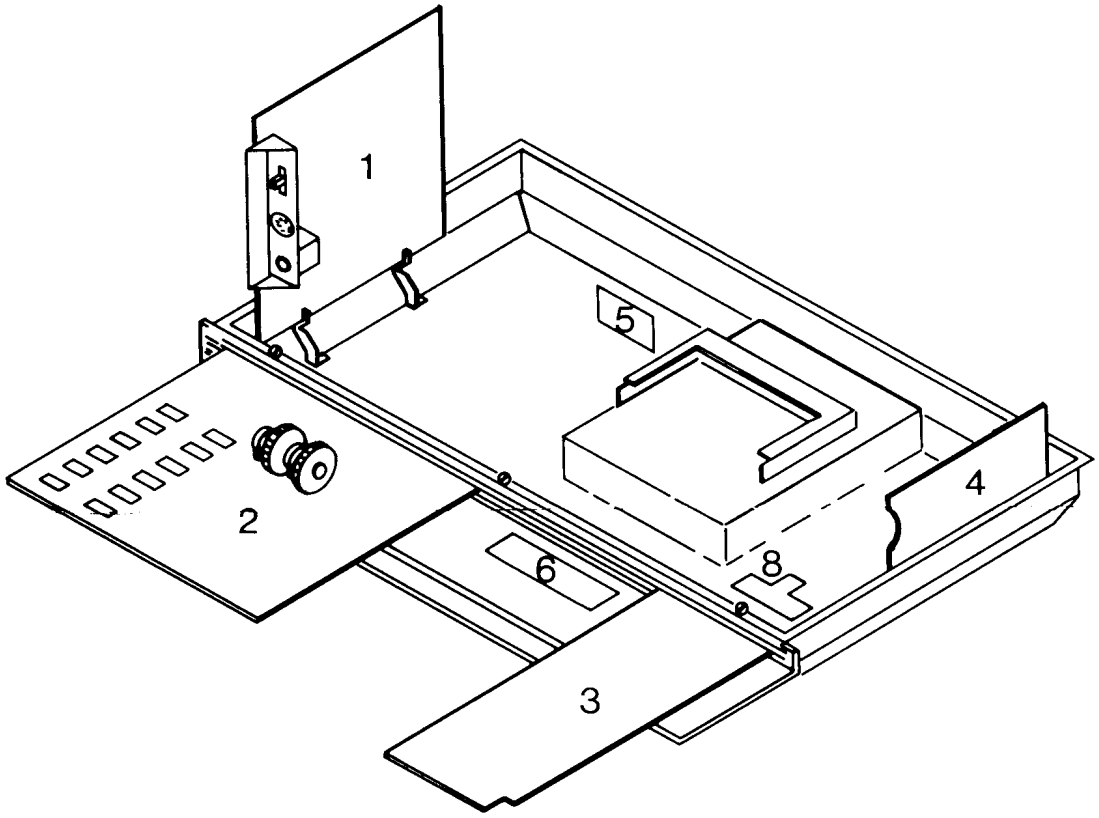


Beocord 5000, type 4715

1-79-A

3534159

Bang&Olufsen

MÅLEBETINGELSER

Alle DC spændinger er målt i forhold til stel, med voltmeter med en indgangsmodstand på 11 Mohm.

Oscillogrammer og AC spændinger er målt i forhold til stel med oscilloscop eller voltmeter med en indgangsmodstand på 1 Mohm.

Spændinger uden parantes: Stilling gengive (333 Hz 25 mm/mm).

Spændinger i parantes: Stilling stop.

AC spændinger opgivet i millivolt (mV). Eks. 733 mV.

DC spændinger opgivet i volt (V). Eks. 0,7 V.

Signalvejen i optage position er vist i højre kanal, og gengive position er vist i venstre kanal.

MEASURING CONDITIONS

All DC voltages have been measured in relation to ground with voltmeter with an input resistance of 11 Mohms.

Oscillograms and AC voltages have been measured in relation to ground with oscilloscope or voltmeter with an input resistance of 1 Mohm.

Unbracketed voltages: Position play back (333 Hz 25 mm/mm).

Bracketed voltages: Position stop.

AC voltages stated in millivolts (mV). Ex.: 733 mV.

DC voltages stated in volts (V). Ex.: 0.7 V.

The signal path in recording pos. is shown in right channel, and replay position is shown in left channel.

MESSBEDINGUNGEN

Alle DC Spannungen sind im Verhältnis zu Masse gemessen worden, mit Voltmeter mit einem Eingangswiderstand von 11 Mohm.

Oszillogramme und AC Spannungen sind im Verhältnis zu Masse gemessen worden, mit Oszilloskop oder Voltmeter mit einem Eingangswiderstand von 1 Mohm.

Spannungen ohne Klammern: Position Wiedergabe (333 Hz 25 mm/mm).

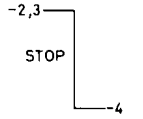
Spannungen in Klammern: Position Stop.

AC Spannungen in Millivolt (mV) aufgegeben, z. B.: 733 mV.

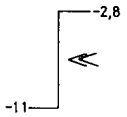
DC Spannungen in Volt (V) aufgegeben, z. B.: 0,7 V.

Der Signalweg in Aufnahmeposition ist in rechten Kanal gezeigt, und die Wiedergabeposition ist in linkem Kanal gezeigt.

SYMBOLER

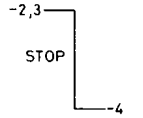


Dette symbol betyder at spændingen springer fra −2,3 V til −4 V når STOP aktiveres.

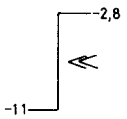


Dette symbol betyder at spændingen springer fra −11 V til −2,8 V når ≪ aktiveres.

SYMBOLS

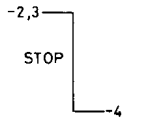


This symbol indicates that the voltage goes from −2,3 V to −4 V when activating panel switch STOP.

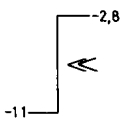


This symbol indicates that the voltage goes from −11 V to −2,8 V when activating panel switch ≪.

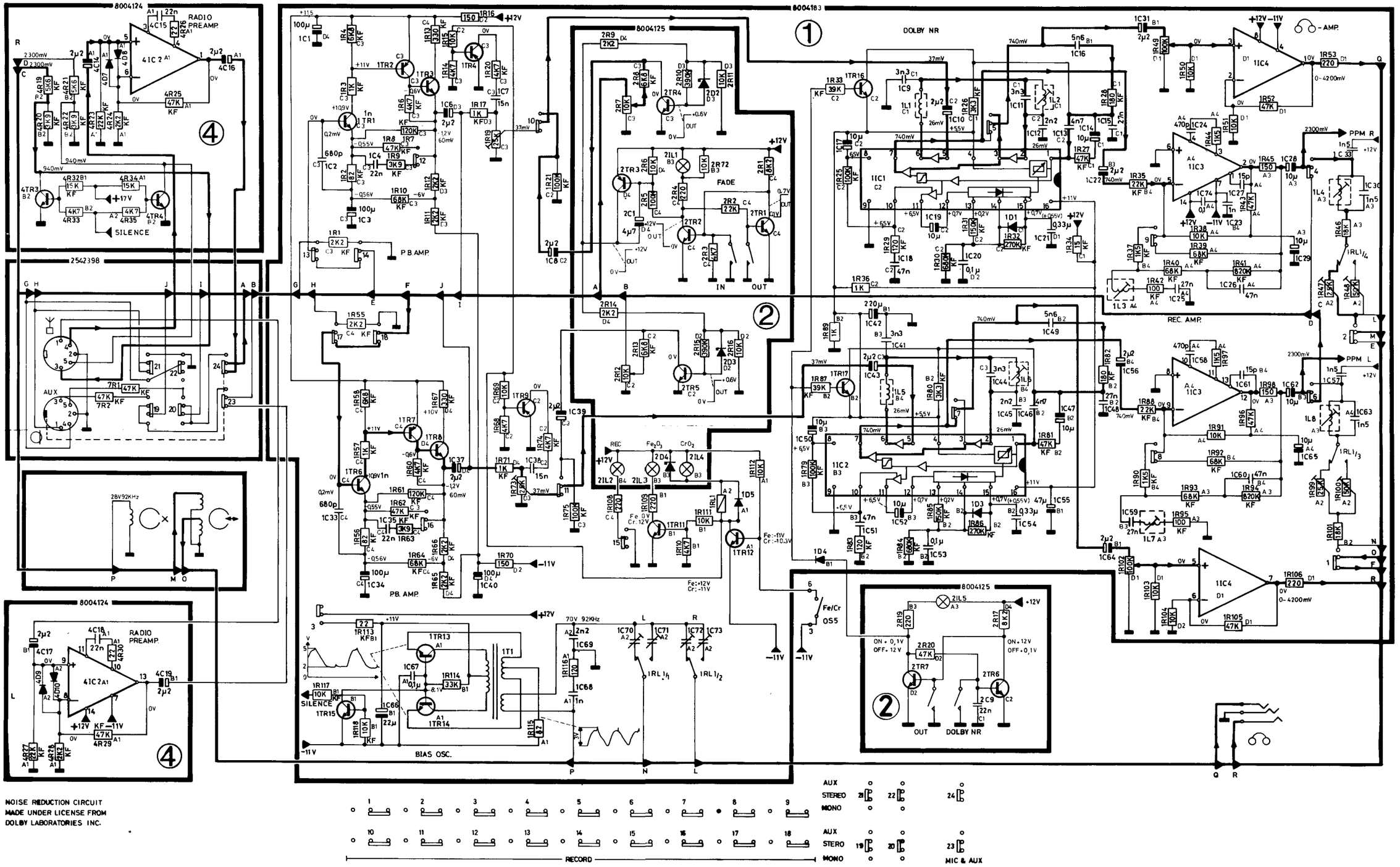
SYMBOLE



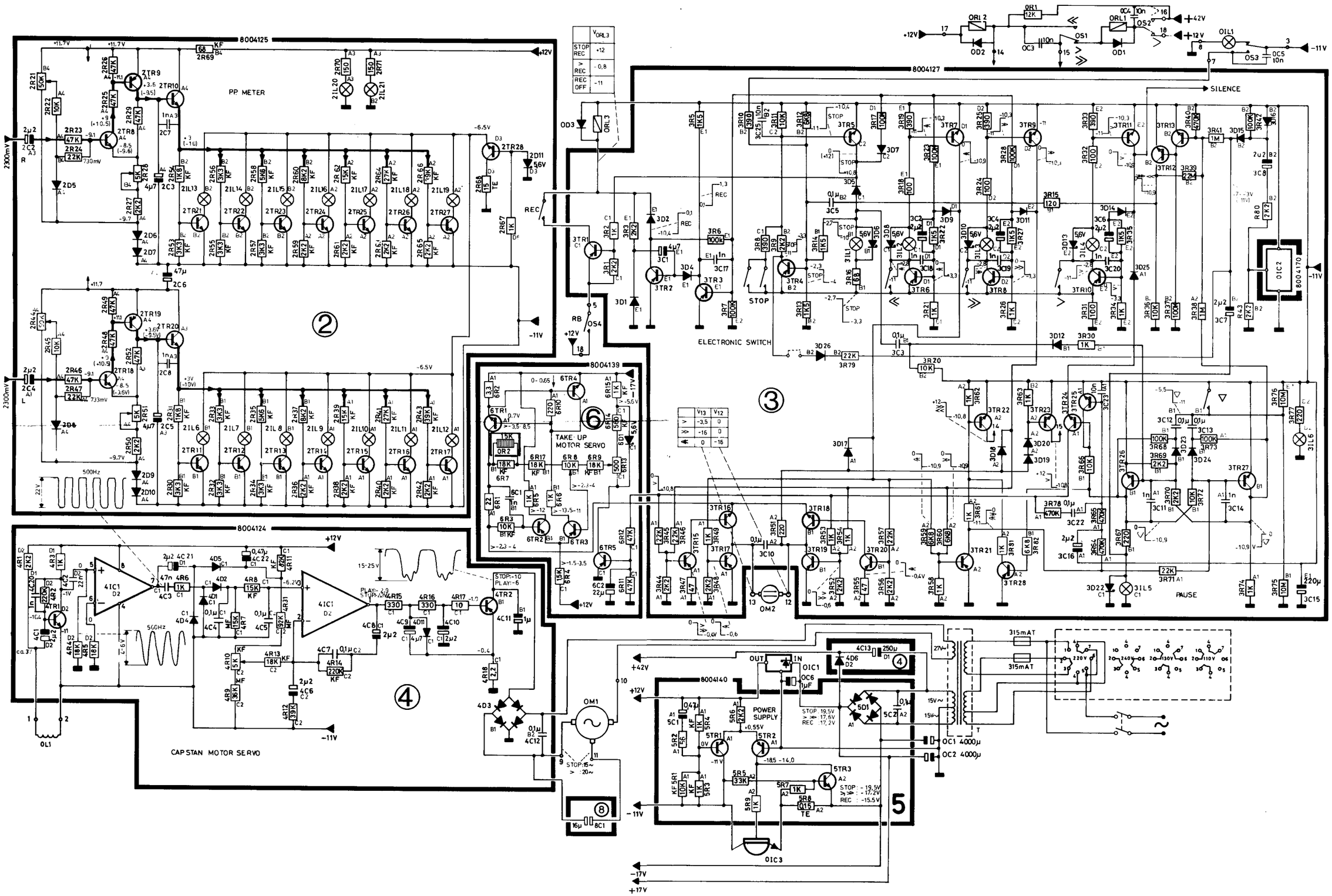
Dieses Symbol bedeutet, dass die Spannung von −2,3 Volt auf −4 Volt springt, wenn den Panelkontakt STOP aktiviert wird.



Dieses Symbol bedeutet, dass die Spannung von −11 Volt auf −2,8 Volt springt, wenn den Panelkontakt ≪ aktiviert wird.



NOISE REDUCTION CIRCUIT
MADE UNDER LICENSE FROM
DOLBY LABORATORIES INC.


8004125
PP METER
2TR9
2TR10
2TR8
2TR28
2D11 56V
2D5
2D6
2D7
2TR21
2TR22
2TR23
2TR24
2TR25
2TR26
2TR27
2IL13
2IL14
2IL15
2IL16
2IL17
2IL18
2IL19
2IL20
2IL21
2TR19
2TR20
2TR18
2D9
2D10
2TR11
2TR12
2TR13
2TR14
2TR15
2TR16
2TR17
2IL6
2IL7
2IL8
2IL9
2IL10
2IL11
2IL12
500Hz
8004124
CAPSTAN MOTOR SERVO
8004139
TAKE-UP MOTOR SERVO
8004127
ELECTRONIC SWITCH
SILENCE
PAUSE
STOP
REC
RB
8004140
POWER SUPPLY
OUT
IN
OIC1
OIC3
OM1
OM2
OL1
OC1 4000µ
OC2 4000µ
315mAT
315mAT
220V
240V
130V
110V
+42V
+12V
-11V
-17V
+17V
+6.5V
-6.5V

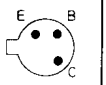
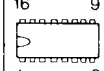
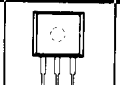
Bang&Olufsen

TRANSISTOR AND IC LIST

0IC1	8340049	**108**	LM 340T-12
		108	7812 CU
			PA 7812/C
0IC2	8340111	**112**	ULN 3020T
0IC3	8340137	**43**	BD 897
1TR1	8320344	**20**	BC 550 B
		20	BC 384 B-N
1TR2	8320069	**18**	BC 559 B
		18	BC 214 B
1TR3	8320097	**18**	BC 547 B
		18	BC 182 B
		18	BC 237 B
1TR4	8320104	**18**	BC 558 B
		18	BC 213 B
		18	BC 308 B
		18	BC 252 B
1TR6	8320344	**20**	BC 550 B
		20	BC 384 B-N
1TR7	8320069	**18**	BC 559 B
		18	BC 214 B
1TR8	8320097	**18**	BC 547 B
		18	BC 182 B
		18	BC 237 B
1TR9	8320104	**18**	BC 558 B
		18	BC 213 B
		18	BC 308 B
		18	BC 252 B
1TR11	8320108	**18**	BC 548 B
1TR12		**18**	BC 183 B
		18	BC 238 B
		18	BC 172 B
1TR13	8320097	**18**	BC 547 B
1TR14		**18**	BC 182 B
		18	BC 237 B
1TR15	8320108	**18**	BC 548 B
		18	BC 183 B
		18	BC 238 B
		18	BC 172 B
1TR16	8320329	**20**	BC 338
1TR17			

1IC1	8340046	**101**	NE 545
1IC2			
1IC3	8340072	**102**	MC 1437 P
1IC4	8340048	**103**	MC 1458 CP
		103	SN 72558 P
2TR1	8320108	**18**	BC 548 B
2TR2		**18**	BC 183 B
		18	BC 238 B
		18	BC 172 B
2TR3	8320104	**18**	BC 558 B
		18	BC 213 B
		18	BC 308 B
		18	BC 252 B
2TR4	8320108	**18**	BC 548 B
2TR5		**18**	BC 183 B
2TR6		**18**	BC 238 B
2TR7		**18**	BC 172 B
2TR8	8320097	**18**	BC 547 B
		18	BC 182 B
		18	BC 237 B
2TR9	8320202	**18**	BC 557 A
		18	BC 212 A
		18	BC 307 A
		18	BC 251 A
2TR10	8320097	**18**	BC 547 B
		18	BC 182 B
		18	BC 238 B
		18	BC 172 B
2TR11	8320108	**18**	BC 548 B
2TR12		**18**	BC 183 B
2TR13		**18**	BC 238 B
2TR14		**18**	BC 172 B
2TR15			
2TR16			
2TR17			
2TR18	8320097	**18**	BC 547 B
		18	BC 182 B
		18	BC 238 B
		18	BC 172 B
2TR19	8320202	**18**	BC 557 A
		18	BC 212 A
		18	BC 307 A
		18	BC 251 A

2TR20	8320097	**18**	BC 547 B
		18	BC 182 B
		18	BC 238 B
		18	BC 172 B
2TR21	8320108	**18**	BC 548 B
2TR22		**18**	BC 183 B
2TR23		**18**	BC 238 B
2TR24		**18**	BC 172 B
2TR25			
2TR26			
2TR27			
2TR28	8320225	**10**	BC 140
			Group 10
3TR1	8320331	**20**	BC 328-25
3TR2			
3TR3	8320104	**18**	BC 558 B
3TR4		**18**	BC 213 B
		18	BC 308 B
		18	BC 252 B
3TR5	8320108	**18**	BC 548 B
		18	BC 183 B
		18	BC 238 B
		18	BC 172 B
3TR6	8320104	**18**	BC 558 B
		18	BC 213 B
		18	BC 308 B
		18	BC 252 B
3TR7	8320108	**18**	BC 548 B
		18	BC 183 B
		18	BC 238 B
		18	BC 172 B
3TR8	8320104	**18**	BC 558 B
		18	BC 213 B
		18	BC 308 B
		18	BC 172 B
3TR9	8320108	**18**	BC 548 B
		18	BC 183 B
		18	BC 238 B
		18	BC 172 B
3TR10	8320104	**18**	BC 558 B
		18	BC 213 B
		18	BC 308 B
		18	BC 252 B

10	18	19	20	32	43	101	102	103	108	112	
											

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3TR11	8320108	**18**	BC 548 B
3TR12		**18**	BC 183 B
3TR13		**18**	BC 238 B
		18	BC 172 B
3TR15	8320202	**18**	BC 557 A
		18	BC 212 A
		18	BC 307 A
		18	BC 251 A
3TR16	8320329	**20**	BC 338-25
3TR17	8320331	**20**	BC 328-25
3TR18	8320329	**20**	BC 338-25
3TR19	8320331	**20**	BC 328-25
3TR20	8320202	**18**	BC 557 B
3TR21		**18**	BC 212 B
		18	BC 307 B
		18	BC 251 B
3TR22	8320329	**20**	BC 338-25
3TR23	8320374	**32**	BD 230
3TR24	8320108	**18**	BC 548 B
3TR25		**18**	BC 183 B
3TR26		**18**	BC 238 B
3TR27		**18**	BC 172 B
3TR28	8320202	**18**	BC 557 A
		18	BC 212 A
		18	BC 307 A
		18	BC 251 A
4TR1	8320097	**18**	BC 547 B
		18	BC 182 B
		18	BC 237 B
4TR2	8320269	**32**	BD 236 B
		32	BD 178
4TR3	8320108	**18**	BC 548 B
4TR4		**18**	BC 183 B
		18	BC 238 B
		18	BC 172 B
4IC1	8340048	**103**	SN 72558P
		103	MC 1458CP
4IC2	8340047	**102**	SN 7613IN
		102	TBA 231
5TR1	8320104	**18**	BC 558 B
5TR2		**18**	BC 213 B
		18	BC 308 B
		18	BC 172 B
5TR3	8320108	**18**	BC 548 B
		18	BC 183 B
		18	BC 238 B
		18	BC 172 B
6TR1	8320239	**32**	BD 135
		32	BD 135/W
6TR2	8320398	**19**	BC 558 C
6TR3		**19**	BC 252 C
6TR4	8320108	**18**	BC 548 B
		18	BC 183 B
		18	BC 238 B
		18	BC 172 B
6TR5	8320398	**19**	BC 558 C
		19	BC 252 C

DIODE LIST		
0D1 - 0D3	8300023	1N 4002
1D1	8300042	OA 91
1D3		
1D4 - 1D5	8300058	1N 4148
		SFD 184
2D2 - 2D3	8300036	ZPD 4,7 V
		BZX 79 4,7 V
		BZX 83 4,7 V
2D4	8300128	ZPD 5,6 V
2D11		BZX 79 5,6 V
		BZX 83 5,6 V
2D5 - 2D10	8300058	1N 4148
		SFD 184
3D1	8300058	1N 4148
3D4 - 3D5		SFD 184
3D7		
3D9		
3D11 - 3D12		
3D14 - 3D20		
3D23 - 3D26		
3D2	8300023	1N 4002
3D6	8300128	ZPD 5,6 V
3D8		BZX 79 5,6 V
3D10		BZX 83 5,6 V
3D13		
3D22		
4D1 - 4D2	8300058	1N 4148
4D4 - 4D5		SFD 184
4D3	8300155	B40C800
4D6	8300023	1N 4002
4D7 - 4D11	8300058	1N 4148
		SFD 184
5D1	8310020	B80C2200
6D1	8300128	ZPD 5,6 V
		BZX 79 5,6 V
		BZX 83 5,6 V

CORRECTION

A	CORR. MADE IN DIAG.	BEFORE CORRECTION	AFTER CORRECTION
2R20	1	4K7	47K
2R17	1	1 K	8K2
2R18	1	470Ω	2C9 - 22 N
4R32	1	10 K	15 K
4R34	1	10 K	15 K
1R1/			
1R55	1		Moved
4R19	1	56 K	5K6
4R20	1	39 K	3K9
4R21	1	56 K	5K6
4R22	1	39 K	3K9
1C33	1		Added
1C57	1		Added
4D11	2		Added